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**Pohlmann et al.**

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(54) **DEVICE FOR DOSING AND DRY NEBULIZATION**

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See application file for complete search history.

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(57) **ABSTRACT**

The invention relates to a device (1) for dosing and dry nebulization of nebulizable material, comprising a nebulization channel (3), which has a first attachment piece and a second attachment piece, and a source of compressed carrier gas connected to the first attachment piece via a valve for the purpose of sending a carrier gas pressure pulse into the nebulization channel. The device is characterized in that between the first attachment piece and second attachment piece, and above the nebulization channel, a reservoir open only towards the nebulization channel, and used for receiving the nebulizable material, is connected to the nebulization channel such that it is gas-tight with respect to the environment, and that, when the valve is closed, a pressure compensation takes place in the nebulization channel and in the reservoir. The invention also relates to the use of this device for inhaled administration of a powdered pharmaceutical preparation, and to a method for dosing and dry nebulization of nebulizable material by means of such a device.

**18 Claims, 5 Drawing Sheets**

